

## SEQUENCE LISTING

<110> AKZO Nobel NV  
 <120> An infectious bursal disease virus (IBDV) mutant expressing virus  
 neutralising epitopes specific for classic- and variant IBDV  
 strains  
 <130> 2003-002-FF-US  
 <160> 37  
 <170> PatentIn version 3.2  
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&lt;223&gt; Mutant of classic IBDV

&lt;400&gt; 34

Asp Gly Gln Glu Gly Glu

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&lt;210&gt; 35

&lt;211&gt; 6

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&lt;223&gt; Mutant of classic IBDV

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Gly Gly Gln Glu Gly Glu

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&lt;223&gt; VP2

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 Val Leu Ser Leu Pro Thr Ser Tyr Asp Leu Gly Tyr Val Arg Leu Gly  
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gac ccc att cct gct ata ggg ctt gac cca aaa atg gta gcc aca tgt 96  
 Asp Pro Ile Pro Ala Ile Gly Leu Asp Pro Lys Met Val Ala Thr Cys  
 20 25 30

gac agc agt gac agg ccc aga gtc tac acc ata act gca gcc gat gat 144  
 Asp Ser Ser Asp Arg Pro Arg Val Tyr Thr Ile Thr Ala Ala Asp Asp  
 35 40 45

tac caa ttc tca tca cag tac caa tca ggt ggg gta aca atc aca ctg 192  
 Tyr Gln Phe Ser Ser Gln Tyr Gln Ser Gly Gly Val Thr Ile Thr Leu  
 50 55 60

ttc tca gcc aac att gat gct atc aca agc ctc agc att ggg gga gag 240  
 Phe Ser Ala Asn Ile Asp Ala Ile Thr Ser Leu Ser Ile Gly Gly Glu  
 65 70 75 80

ctc gtg ttc cat aca agc gtc caa ggc ctt gca ctg aac gcc acc atc 288  
 Leu Val Phe His Thr Ser Val Gln Gly Leu Ala Leu Asn Ala Thr Ile  
 85 90 95

tac ctt ata ggc ttt gat ggg act aca gta atc acc aga gct gtg gcc 336  
 Tyr Leu Ile Gly Phe Asp Gly Thr Thr Val Ile Thr Arg Ala Val Ala  
 100 105 110

tca gac aat ggg ctg act acc ggc atc gac aat ctt atg cca ttc aat 384  
 Ser Asp Asn Gly Leu Thr Thr Gly Ile Asp Asn Leu Met Pro Phe Asn  
 115 120 125



ctt gtg att cca acc aac gag ata acc cag cca atc aca tcc atc aaa 432  
 Leu Val Ile Pro Thr Asn Glu Ile Thr Gln Pro Ile Thr Ser Ile Lys  
       130                      135                      140

ctg gag ata gtg acc tcc aaa agt ggc ggt cag gca ggg gac cag atg 480  
 Leu Glu Ile Val Thr Ser Lys Ser Gly Gly Gln Ala Gly Asp Gln Met  
       145                      150                      155                      160

tca tgg tcg gca agt ggg agc cta gca gtg aca atc cat ggt ggc aac 528  
 Ser Trp Ser Ala Ser Gly Ser Leu Ala Val Thr Ile His Gly Gly Asn  
                       165                      170                      175

tat cca ggg gcc ctc cgt ccc gtc aca cta gta gcc tac gaa aga gt 575  
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<400> 37

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                       20                      25                      30

Asp Ser Ser Asp Arg Pro Arg Val Tyr Thr Ile Thr Ala Ala Asp Asp  
                       35                      40                      45

Tyr Gln Phe Ser Ser Gln Tyr Gln Ser Gly Gly Val Thr Ile Thr Leu  
       50                      55                      60

Phe Ser Ala Asn Ile Asp Ala Ile Thr Ser Leu Ser Ile Gly Gly Glu  
       65                      70                      75                      80

Leu Val Phe His Thr Ser Val Gln Gly Leu Ala Leu Asn Ala Thr Ile  
                       85                      90                      95

Tyr Leu Ile Gly Phe Asp Gly Thr Thr Val Ile Thr Arg Ala Val Ala  
                       100                      105                      110

Ser Asp Asn Gly Leu Thr Thr Gly Ile Asp Asn Leu Met Pro Phe Asn  
                       115                      120                      125

Leu Val Ile Pro Thr Asn Glu Ile Thr Gln Pro Ile Thr Ser Ile Lys  
       130                      135                      140

Leu Glu Ile Val Thr Ser Lys Ser Gly Gly Gln Ala Gly Asp Gln Met  
       145                      150                      155                      160

Ser Trp Ser Ala Ser Gly Ser Leu Ala Val Thr Ile His Gly Gly Asn  
                       165                      170                      175

Tyr Pro Gly Ala Leu Arg Pro Val Thr Leu Val Ala Tyr Glu Arg  
                       180                      185                      190